

An intrinsically safe portable programmer for communicating with the electronic process control equipment over a wireless communication link. The portable programmer comprises a microprocessor controlled electronic circuit housed in an enclosure formed from a polymers polystyrene having a low surface resistivity. The electronic circuit is mounted inside the enclosure with a low voltage battery supply and encased in epoxy to prevent sparking. The electronic circuit includes an infrared transmitter and a keypad. In response to keypad inputs, the electronic circuit generates control signals which are transmitted to the electronic process control equipment via the infrared transmitter.

An intrinsically safe portable programmer for communicating with the electronic process control equipment over a wireless communication link. The portable programmer comprises a microprocessor controlled electronic circuit housed in an enclosure formed from a polymers polystyrene having a low surface resistivity. The electronic circuit is mounted inside the enclosure with a low voltage battery supply and encased in epoxy to prevent sparking. The electronic circuit includes an infrared transmitter and a keypad. In response to keypad inputs, the electronic circuit generates control signals which are transmitted to the electronic process control equipment via the infrared transmitter.